

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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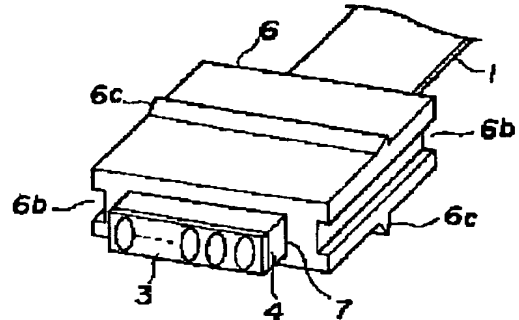
APPLICATION DATE : 16-04-92  
APPLICATION NUMBER : 04096688

APPLICANT : HITACHI LTD;

INVENTOR : KITO SHIGEFUMI;

INT.CL. : G02B 6/32 G02B 6/08 G02B 6/40

TITLE : MULTI-FIBER OPTICAL CONNECTOR



ABSTRACT : PURPOSE: To provide a multi-fiber optical connector, with which the output from fiber array termination is enhanced, the yield can be enhanced through enlarging of the allowable error range in the photo-coupling system, and stable optical output be obtained with suppression of reflections.

CONSTITUTION: The tip of an optical fiber array 1 is formed in ferrule. To the end face of this ferrule 4 a lens array 3 is fixed through an optical adhesive, or a holder in which lens array is previously held is fitted on the ferrule. Thereby a constitution is embodied in which the optical fiber array 1 and lens array 3 are coupled optically so that photo-transmission takes place. To reduce reflex return light, glass with non-reflex coating is affixed to the end face of the ferrule, or the end face is ground aslant, or is ground into a curved surface having a finite radius of curvature.

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